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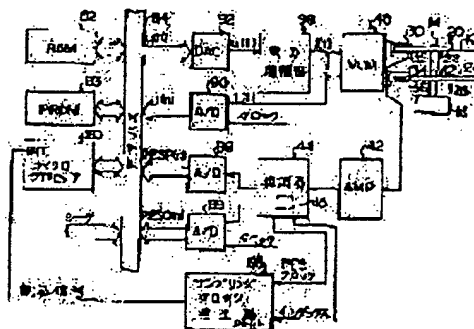
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(54) DATA RECORDING DISK FILE

(57)Abstract:

PURPOSE: To exclude a non-repetitive relative movement between a head and disk, by generating an estimate of a sine wave function indicative of a major sine wave component of non-repetitive run-out in one turn of the disk and deriving a non-repetitive run-out signal from the sine wave function.

CONSTITUTION: At the time of inputting electromagnetic wave, design constants are input from a PROM 83. Subsequently, head position error signal(PES) is input to a microprocessor 80 and then a sampled value of the PES is input thereto. When the sampled value is within an allowable threshold range, the microprocessor a time term and a period of non-repetitive run-out signal(NRRO). After this, the microprocessor calculates a sampled value of the PES and stores it in a RAM 82. The microprocessor 80 calculates an NRRO signal and thereafter, when the value of a digital counter is incremented, the microprocessor is put in such a state that can accepts the next PES.



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